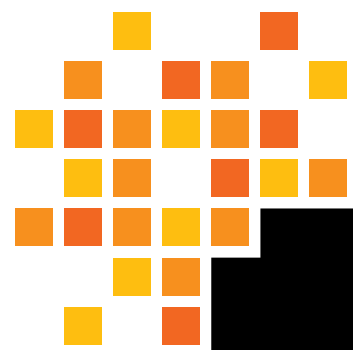KONICA MINOLTA

bizhub PRESS C7000/C6000 Production

Extraordinary imaging for enhanced
colour production

bizhub PRESS

Colour production power
through and through

Central reprographic departments and print providers will welcome the Konica Minolta bizhub PRESS C7000/C6000 Production that combines high-speed colour printing with an extensive range of inline finishing options. With amazing imaging capabilities and consistent print quality, the bizhub PRESS C7000/C6000 Production opens up a new era of superb quality colour output. Inimitable modularity provides unmatched versatility and ensures perfect adaptability to the entry production environment.

The bizhub PRESS series features ground-breaking 8-bit colour depth that prints smooth gradients without a visible moiré pattern. It guarantees close-to-offset results that are brighter and more constant than what digital technology could previously achieve. Its highly versatile media handling, professional finishing versatility and simplified workflow integration increase overall productivity and create ample opportunities for new business.

In the PRESS series, the bizhub PRESS C7000/C6000 Production invites professionals to "Expect Impact" – and it delivers! Konica Minolta's colour professionals incorporate the latest imaging technology promising finer colour, enhanced print quality and swifter production speed. In addition to its advanced finishing capabilities, the robust design and impressive media flexibility distinguish the bizhub PRESS C7000/C6000 Production from any other product in its class!

Dedicated to customer needs

- The bizhub PRESS C7000/C6000 Production is highly reliable, flexible and productive with a fast print speed of 71 or 60 colour impressions per minute.

- Varied customer needs are easily met with the four controllers supported by the bizhub PRESS C7000/C6000 Production. These are the IC-307 Creo controller, the EFI Fiery IC-306, the embedded Konica Minolta controller IC-601 and the EFI Fiery IC-413 controller.

- Featuring proven, advanced Konica Minolta precision print technology in their hardware and versatile software, the bizhub PRESS C7000/C6000 Production delivers outstanding quality. In addition, proprietary Konica Minolta developments like Simitri® HD and S.E.A.D. II satisfy even the most discerning customer's quality expectations.

- With impressive media flexibility, the bizhub PRESS C7000/C6000 Production meets virtually any print job request, including paper formats from A5 to SRA3 (max 330 x 487 mm) and weights ranging from 64 to 300 gsm.

- Commercial printers will benefit from the bizhub PRESS C7000/C6000 Production which offers auto-duplex printing on paper stocks up to 300 gsm.

- Advanced finishing facilities provide essential impact to boost customers' business opportunities. With an extensive range of finishing options including booklet trimming and perfect binding, the finishing capabilities of the bizhub PRESS C7000/C6000 Production are truly comprehensive and highly professional.
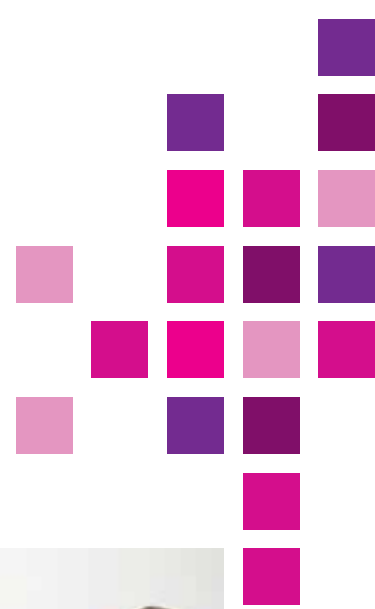
- Integrating seamlessly with the bizhub PRESS C7000/C6000 Production, Printgroove POD further enhances production capabilities and increases the overall effectiveness of the production facility. The software suite optimises workflows and streamlines production processes, enabling configuration of individual workflows.

Environmentally committed

With all-round capabilities, the bizhub PRESS C7000/C6000 Production stands for colour production printing at its best and boasts features that reduce the impact on the environment.

- Konica Minolta's proprietary polymerised toner, Simitri® HD, uses biomass as one of its components. This makes it CO_2-neutral during recycling. At the same time the polymerisation process generates around 40% less CO_2 than conventional toner production. In addition, Simitri® HD enables fusing at lower temperatures, reducing energy consumption and further reducing related CO_2 emissions.

- Konica Minolta promotes sustainable development and integrates environmental and social perspectives into its business strategies.

- As part of its zero-waste manufacturing concept, Konica Minolta strives to minimise the ecological impact of its products with efficient environmental activities throughout all stages of the product lifecycle. One aspect of this is reusable or recyclable packaging materials for hardware and consumables to minimise the waste generated by each device.

Colour processing
technologies

The bizhub PRESS C7000/C6000 Production features the latest in Konica Minolta's very own advanced colour processing technology. Innovations like S.E.A.D.II, ITbit technology, CRS, Simitri® HD polymerised toner and Konica Minolta's 'air-assist' paper feeding technology provide an unbeatable combination of outstanding quality and smooth processing, ensuring perfect results and the highest reliability.

S.E.A.D. II

Developed by Konica Minolta, S.E.A.D. stands for Screen-Enhancing Active Digital Process and combines an array of technical innovations to guarantee truly exceptional colour reproduction at top speed. S.E.A.D. II represents the second generation of Konica Minolta's advanced colour processing technology and includes these important capabilities:

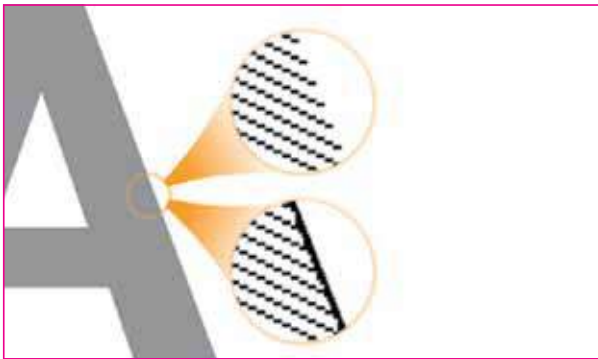- **1,200 x 1,200 dpi x 8-bit print resolution**

  The impressive print resolution on the bizhub PRESS C7000/C6000 Production reproduces finest characters and thinnest lines to perfection. In combination with proprietary Simitri® HD toner, this results in high resolution printing with close-to-offset quality.

- **FM screen technology**

  With the excellent resolution of 1,200 dpi, the bizhub PRESS C7000/C6000 Production provides additional screens for higher quality prints, enabling smoother and more realistic image reproductions that perfectly match print data. The Frequency Modulated (FM) screen technology ensures smooth and jagged-free images.

- **ITbit technology**

  Outline processing improves the appearance of characters by thinning them so they do not appear fat. Contour processing helps to reproduce white characters on backgrounds with ideal proportions and reduces jagged edges of half-tone characters.
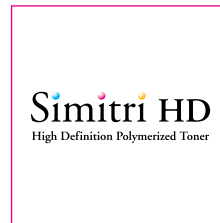

- **Image stability**

  Innovative short interval stability control monitors image consistency on the bizhub PRESS C7000/C6000 Production during continuous printing. Corrections are fully automatic and improve the stability of the image quality, while the whole process considerably enhances production efficiency.

- **Automated colour management tools promise increased productivity**

  The bizhub PRESS C7000/C6000 Production streamlines workflows with completely hands-free calibration. This allows operators to focus on producing more outstanding quality jobs in less time.

- **Colour Retention and Stability (CRS)**

  The exclusive CRS technology constantly monitors the status of the bizhub PRESS C7000/C6000 Production. Receiving continuous feedback about changes in the print environment and the engine, CRS immediately makes the necessary adjustments to always maintain high quality printing.

Simitri® HD

An essential requirement in production printing, the bizhub PRESS C7000/C6000 Production delivers a superior colour image quality as well as impressive black density with unique Simitri® HD polymerised toner. Simitri® HD also ensures an unparalleled colour image stability and with its reduced fusing temperature supports a truly impressive range of media, virtually eliminating paper curling.

Ultra-smooth paper processing

The bizhub PRESS C7000/C6000 Production features fast and ultra smooth paper processing. Where required, an optional heating unit inside the paper magazine dries paper stock before printing. Konica Minolta's 'air-assist' paper feeding technology separates sheets and feeds them individually – a process that double-feed detection sensors make even more reliable! Thanks to an innovative printing and developing process, fusing temperatures are low, resulting in a considerable increase in media flexibility. Each individual print is cooled and de-curled before output giving optimum results. This performance can be further enhanced with a unique optional humidification decurler that elevates the moisture content in the paper and eliminates curling and electrostatic cling.

High availability

Konica Minolta's remote diagnostics system CS Remote Care means pro-active support for each bizhub PRESS C7000/C6000 Production in the field. With constant analysis of the system performance, CS Remote Care enables automated reporting and preventive maintenance, effectively assuring maximum system uptime.

In addition, operators can avoid longer production interruptions with self-maintenance. Qualified training and support is available with ORU-M, Konica Minolta's Operator Replaceable Unit Management program.
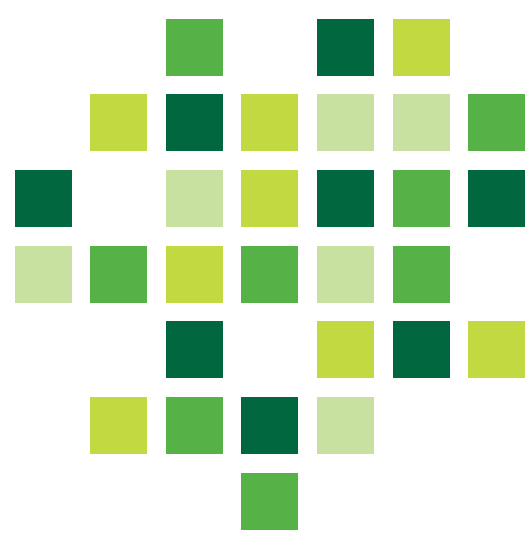
True production **capabilities**

Whatever the configuration, the bizhub PRESS C7000/C6000 Production combines impressive colour speed and superb quality output with durability, reliability and a streamlined, integrated design. Each system represents an economically viable solution customised for printing environments that want to offer customers the full scope of competitively priced, diverse printing choices.

- By offering reasonable and sustainable running costs the bizhub PRESS C7000/C6000 Production significantly helps professional printers to ensure competitiveness and achieve attractive margins. Konica Minolta's progressive digital production printing presses deliver the productivity gains and economic potential that are essential for professional printing environments.

- The bizhub PRESS C7000/C6000 Production is available in 40 different system configurations, all providing the same robust colour printing and comprehensive performance, while tailored to the flexible needs of individual professional user groups. All product versions are available as multifunction devices with scanning and copying functionality – and alternatively as pure printers for environments that concentrate exclusively on print production.

- These digital printing presses are ideal for heavy-duty production and ensure short turnaround times can be met. With their output capacity of up to 71 (bizhub PRESS C7000 Production) and 60 (bizhub PRESS C6000 Production) impressions per minute in both full colour and b/w, paper and toner refill on-the-fly functionality, these presses are capable of handling extensive output volumes.

- The bizhub PRESS C7000/C6000 Production impresses with sophisticated paper processing capabilities. Providing up to 7,500 pages input and up to 13,600 pages output capacity, the digital presses process a wide range of substrates, including media weights of up to 300 gsm – whether coated paper, card or digital offset stock.

- To satisfy the diverse requirements of the most varied professional printing environments, the bizhub PRESS C7000/C6000 Production can be equipped with three different controllers that all guarantee fast and smooth processing of colour jobs:

  – The external EFI controller IC-306 is a viable all-round layer that supports the impressive system functionality with latest Fiery technology and provides an intuitive, user-friendly interface between operator and digital press.

  – The external CREO controller IC-307 is the perfect solution for VDP applications (Creo VPS) and an ideal choice for hybrid prepress workflows. Proprietary Creo Colour Server technology supports the bizhub PRESS C7000/C6000 Production as robust workflow solutions with outstanding print quality and exceptional productivity.

  – The embedded Konica Minolta controller IC-601 offers affordable colour management as well as seamless integration with a wide range of Konica Minolta applications. The highlight of the IC-601 is its complete implementation into the bizhub PRESS C7000/C6000 Production with full panel integration of the controller operation.

  – The embedded EFI controller IC-413 offers simple, affordable colour management and streamlined processing of print files to enhance the productivity of novice users and creative professionals. With its generous range of standard-setting colour tools, Fiery ColourWise delivers excellent colour that is consistent across applications, computer platforms, colour spaces and colour file formats.

- One precondition for success in the production printing sector is high precision. The bizhub PRESS C7000/C6000 Production meets this challenge with a back-to-front and page-to-page registration that comes very close to offset printing results.

- Ease of use is another attractive asset of the bizhub PRESS C7000/C6000 Production. Convenience, speed, easy handling and no-nonsense operation were among the top development priorities for Konica Minolta's colour production systems. This is reflected with the large full-colour operator panel for clear and easy access to all functions.

bizhub PRESS

Unparalleled
finishing choices

Professional finishing of the printed product is an integral part of any production run – however, flexibility is the key.

bizhub PRESS C7000/C6000 (main unit)

The bizhub PRESS C7000/C6000 boasts a number of professional features that ensure the production of sophisticated document formats. Mixplex for example allows combining single- and double-sided pages within one document. Mixmedia lets the user specify individual paper types from various trays on page-level. The combined mixmedia and mixplex function fully automates the production of complex single and double-sided documents on different media.

two-sided printing/duplex	one sided printing	paper/toner refill during operation	mixplex one/two sided – during operation	combined mixplex/mixmedia	mixmedia white/ colour sheets from different trays

Paper feed unit (PF-602)

The paper feed unit PF-602 increases the paper input capacity to 7,500 sheets. Its air-assist paper feeding and optional dehumidifier further enhance the media flexibility of the bizhub PRESS C7000/C6000 Production.
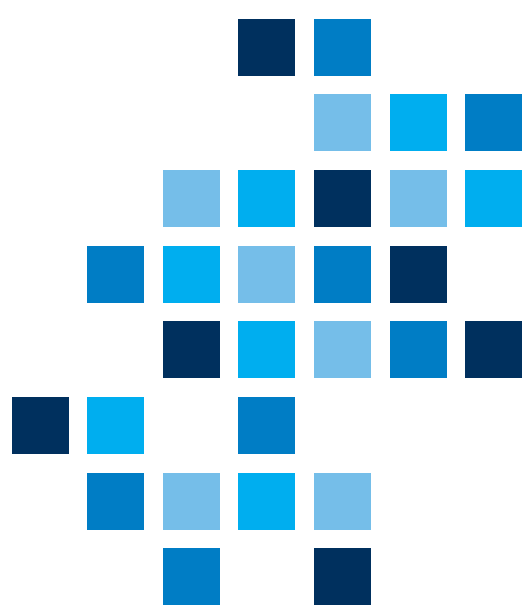
mixplex one/two sided – during operation	combined mixplex/mixmedia	mixmedia white/ colour sheets from different trays

Relay unit (RU-509)

The relay unit RU-509 cools down the prints for immediate finishing and is equipped mechanical decurler for smooth and straight prints. Performance can be enhanced by adding the optional humidification de-curler (HM-102).
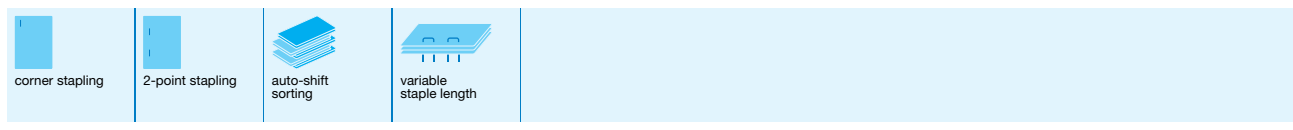
Stapling unit (FS-521)

Equipped with the FS-521 the bizhub PRESS C7000/ C6000 Production provide multi-position stapling making this the perfect choice for the production of manuals, reports and other extensive documentation.
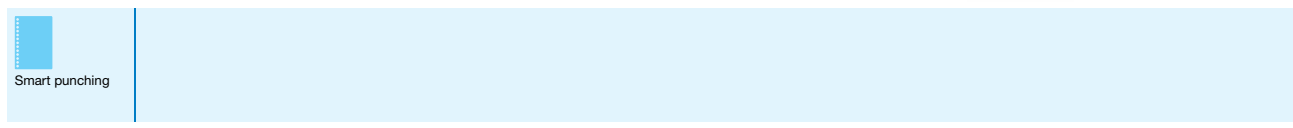
corner stapling	2-point stapling	auto-shift sorting	variable staple length

Folding and punching unit (FD-503)

The ideal choice for the production of mailings, flyers and more, the FD-503 is used to its best advantage in combination with the booklet maker, staple finisher or perfect binder. The folding and punching unit provides six different folding schemes, two or four-hole punching with 100% productivity, and the post-insertion of pre-printed sheets and covers.

colour sheet insertion, booklet	colour cover insertion, booklet	two-hole punching	four-hole punching	half-fold	letter fold in	letter fold out	gate-fold	double parallel-fold	z-fold	mixmedia white/ colour sheets from different trays

Multi (GBC) punching unit (GP-501)*

The multi punching unit offers high performance multi (GBC) punching of sheets at full system speed in preparation for offline spiral binding. Various available die sets correspond to the most popular punching schemes, such as metal-based coil (velo) and plastic (comb) binding.

Smart punching

bizhub PRESS

Stacking unit (LS-505)

Equipped with the large capacity stacker unit, the bizhub PRESS C7000/C6000 Production is perfectly suited for integration into environments with existing finishing facilities, such as insertion or postage metering facilities. A big improvement to all near-line finishing work.

trolley stacker	off-set stacking

Booklet making unit (SD-506)

The booklet-maker provides added value as ideal finishing equipment for all kinds of saddle stitched and trimmed booklets. It speeds up the online production of leaflets, brochures, catalogues and other marketing, sales and training materials.

colour sheet insertion, booklet	colour cover insertion, booklet	trimming	multi letter fold in	booklet (folding and saddle stitching)	multi half fold

Perfect binding unit (PB-503)

This is the finisher for in-line production of all kinds of perfect-bound books. The functionality offers the insertion of z-folds and the inclusion of pre-printed colour covers and sheets. Book binding is possible for books with a spine width of up to 30 mm and includes in-line cover trimming. Perfect bound books are output into a trolley stacker. The integrated cover tray has capacity for up to 1,000 sheets.

perfect binder	perfect binder z-fold	trolley stacker for perfect bound books	perfect binder colour cover insertion	perfect binder colour cover sheet insertion

Technical
specifications

Printer specifications

Print speed A4
Up to 71 ipm (bizhub PRESS C7000)
Up to 60 ipm (bizhub PRESS C6000)

Print speed A3
Up to 38 ipm (bizhub PRESS C7000)
Up to 34 ipm (bizhub PRESS C6000)

Print resolution
1,200 x 1,200 dpi x 8bit
MAX: 1,200 x 3,600 dpi equivalent

Gradations
256 gradations

Paper range
64–300 gsm

Duplex Unit
Non-stack type, 64–300 gsm

Paper sizes
A5-SRA3
Maximum image area
321 x 480 mm

Paper input capacity
Maximum: 7,500 sheets
Main unit: up to 1,500 sheets
PF-602: up to 6,000 sheets

Paper output capacity
Maximum: 13,600 sheets
Stacking unit with trolley: 5,000 sheets
Large capacity tray: 3,000 sheets
Per sub tray: 200 sheets

Main unit dimensions (W x D x H mm)
760 x 992 x 1,076 mm

Main unit weight
356 kg (only main unit)

Controller specifications

IC-306 EFI Fiery controller
CPU
®Intel Core2Quad @ 2.66 GHz

RAM
2 GB high-speed memory

HDD
160 GB SATA hard drive

Interface
Ethernet (10/100/1000-Base-T)

File formats
Adobe® PostScript® Level 1, 2, 3
Adobe® PDF 1.4, 1.5, 1.6, 1.7;
PDF/X-1a, 3; EPS(option); TIFF(option);
TIFF/IT(option); JPEG(option);
PPML; Creo VPS compatible
Fiery® FreeForm™ v1/Fiery® FreeForm™
v2.1

Client environments
Windows® 7/2000/XP/Vista™
Windows® Server 2003/2008
Macintosh® OSX (10.3.9 or later)
Intel Macintosh OSX (10.4 or later)
IC-307 Creo/Kodak Controller
CPU
®Intel Core i7 @ 2.8 GHz

RAM
2 GB system memory
3 GB image memory

HDD
2 x 500 GB system memory
2 x 500 GB image memory

Interface
Ethernet (10/100/1000-Base-T)

File formats
Adobe® PostScript® Level 1, 2, 3
Adobe® PDF 1.3 1.4, 1.5, 1.6, 1.7;
PDF/X-1a; EPS; TIFF (except for
Progressive JPEG and JPEG 2000);
CT/LW
Creo VPS
PPML

Client environments
Windows® 7/XP/Vista™
Windows® Server 2003/2008
Intel Macintosh OSX up to 10.6 (64bit)
IC-601 Konica Minolta
embedded controller

CPU
®Intel Core2Duo @ 2.8 GHz

RAM
4 GB high-speed memory

HDD
2 x 500 GB SATA disc space

Interface
Ethernet (10/100/1000-Base-T)

File formats
Adobe® PostScript® 3; PCL 5c/6;
Native PDF; PDF 1.7; PDF/X-1a, X-3;
EPS; TIFF, TIFF/IT; JPEG; PPML

Client environments
Windows® 7/2000/XP/Vista™
Windows® Server 2003/2008
Intel Macintosh OSX (10.4.x to 10.6.x)

IC-413 EFI Fiery Controller
CPU
®Intel Core2Duo @ 2.6 GHz

RAM
2 GB high-speed memory

HDD
160 GB SATA hard drive

Interface
Ethernet (10/100/1000-Base-T)

File formats
Adobe® PostScript® Level 1, 2, 3
Adobe® PDF; 1.4, 1.5, 1.6, 1.7;
PDF/X-1a, 3; PCL, Fiery® FreeForm™
v1/Fiery® FreeForm™ v2.1

Client environments
Windows® 7/2000/XP/Vista™
Windows® Server 2003/2008
Macintosh OSX (10.3.9 or later)
Intel Macintosh OSX (10.4 or later)

Scanner specifications

Scanner speed A4
Up to 40 ipm

Scanner speed A3
Up to 22 ipm

Scanner resolution
600 x 600 dpi

Scan modes
TWAIN scan; Scan-to-HDD;
Scan-to-FTP; Scan-to-SMB;
Scan-to-Email

Scan formats
TIFF (single and multi page), PDF

Copier specifications

Copier speed A4
Up to 71 ipm (bizhub PRESS C7000)
Up to 60 ipm (bizhub PRESS C6000)

Copier speed A3
Up to 38 ipm (bizhub PRESS C7000)
Up to 34 ipm (bizhub PRESS C6000)

Copier resolution
Max 600 x 600 dpi

Gradations
256 gradations

FCOT
Less than 6.5 sec. (colour A4)

Magnification
25–400% in 0,1% steps

Multiple copies
1–9,999

Accessories

Automatic document feeder DF-622
Max.: 100 sheets

Paper feed unit PF-602
2 trays
Paper capacity: up to 6,000 sheets
Paper weight: 64–300 gsm (lower tray)
Min.paper size:
100 x 148 mm (lower tray)
Max. paper size: 330 x 487 mm

Relay Unit RU-509
Cools prints for immediate finishing.
Equipped with zig zag decurler for
smooth and straight prints.

Folding and punching unit FD-503
Pre-printed sheet insertion (PI):
Punching (2 and 4 hole)
Folding (half-fold; z-fold; gate-fold;
letter fold in; letter fold out; double-
parallel-fold)
Sub tray for up to 200 sheets

Multi (GBC) punching unit GP-501*
Smart punching of A4 sheets
User replaceable die sets for: velo bind;
plastic comb; wire bind; colour coil;
pro click
Paper weight: 75–216 gsm

Booklet making unit SD-506
Booklet making of up to 50 sheets
(200 images)
Saddle stitching; trimming
Output tray for up to 50 booklets
Multi letter fold in (up to 5 sheets)
Multi half fold (up to 5 sheets)

Stacking unit LS-505
Up to 5,000 sheets stacking capacity
Trolley mounted stacker
Auto-shift stacking
Sub tray for up to 200 sheets
Paper clamp mechanism

Perfect binding unit PB-503
Hot melt glue binding system
Integrated 1-side trimming of
cover sheets
Books from A5 up to A4+
(307 x 221 mm) Books from 10 sheets
up to 30 mm spine width
Cover paper tray for up to 1,000 sheets
Sub tray for up to 200 sheets
Book stacking capacity of up to
3,300 sheets - 2 stacks

Stapling unit FS-521
Stapling of up to 100 sheets
2-point and corner stapling
Variable staple length
(cutting mechanism)
Output for up to 3,000 sheets
Sub tray for up to 200 sheets
Auto-shift sorting and grouping

Humidifier unit HM-102**
Humidification de-curler
* Requires RU-506
** Requires RU-509

Simitri HD
High Definition Polymerised Toner

Adobe® PostScript® 3™

Compatible with
Windows® 7

Works with
Windows® Vista™

Designed for
Microsoft®
Windows® XP
Windows® 2000

Mac

Simitri with Biomass

ENERGY STAR

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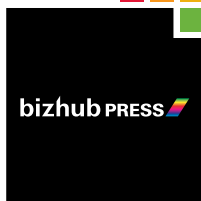Bowen Hills QLD 4006
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Belmont WA 6104
(08) 9479 6600

bizhub PRESS

Printed on a bizhub PRESS C7000/C6000

ENERGY STAR

Ecology & Environment

KONICA MINOLTA copiers and multi-functional products are designed with the environment in mind.

• Energy Star
• RoHS Compliance
• WEEE Compliance
• Eco-conscious Toners
• Production at ISO Certified Factories

⚠ **Requirements for safe use.**

• Please read and follow the instruction manual to ensure safe operation.
• Only operate using appropriate power supply and voltage.
• Connecting the earth wire to an inappropriate place may cause explosion or electric shock. Please connect accordingly (Taiwan and the Philippines only).